

## Signet 3-2750 pH/ORP Sensor Electronics Troubleshooting Guide

LED and Output Condition	Possible Causes	Suggested Solutions
<b>Current Out:</b> <b>LED off, current output is 3.6 mA</b>  <b>S<sup>3</sup>L: Temp out is +999.9</b>	<ul style="list-style-type: none"> <li>No electrode installed</li> <li>Bad/dirty contacts between electrode and 2750</li> </ul>	<ul style="list-style-type: none"> <li>Install electrode</li> <li>Check interconnection between electrode and 2750, clean contacts</li> </ul>
<b>During Easy-Cal, the LED blinks rapidly for 4 seconds and the current output is frozen at a random fixed value.</b>	<ul style="list-style-type: none"> <li>The buffer solution is outside of the accepted tolerance for the 2750</li> <li>The electrode is depleted (&gt; 1.1 pH or 65 mV offset)</li> </ul>	<ul style="list-style-type: none"> <li>pH system: Use fresh 4 pH, 7 pH, or 10 pH buffer and restart the calibration.</li> <li>ORP system: Use fresh 4pH and 7 pH buffer solution saturated with quinhydrone.</li> <li>Replace the electrode.</li> </ul>
<b>After completing calibration procedure, the output values are inaccurate.</b>	<ul style="list-style-type: none"> <li>Insufficient time allowed for electrode stabilization during calibration.</li> </ul>	<ul style="list-style-type: none"> <li>Recalibrate, verify that test solutions are at room temperature and wait at least 30 seconds after placing electrode in solution before pressing S1 EasyCal button.</li> </ul>